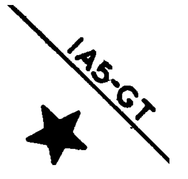




1A5-GT/1A5-G

POWER AMPLIFIER PENTODE

Filament	Coated	
Voltage	1.4	d-c volts
Current	0.05	amp.
Maximum Overall Length		3-5/16"
Maximum Seated Height		2-3/4"
Maximum Diameter		1-5/16"
Bulb		T-9
Base		Intermediate Shell Octal 7-Pin

Pin 1 - No Connection
Pin 2 - Filament +
Pin 3 - Plate
Pin 4 - Screen
Pin 5 - Grid
Pin 7 - Filament -
Pin 8 - No Connection

Mounting Position: Any

BOTTOM VIEW (G-6X)

AMPLIFIER

Plate Voltage	110 max.	volts
Screen Voltage	110 max.	volts
Total Zero-Sig. Cathode Current	6 max.	ma.

Typical Operation and Characteristics - Class A_1 Amplifier:

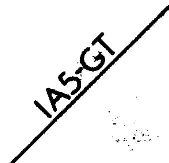
Plate	85	90	volts
Screen	85	90	volts
Grid *	-4.5	-4.5	volts
Peak A-F Grid Volt.	4.5	4.5	volts
Zero-Sig. Plate Cur.	3.5	4.0	ma.
Max.-Sig. Plate Cur.	3.5	4.0	ma.
Zero-Sig. Screen Cur.	0.7	0.8	ma.
Max.-Sig. Screen Cur.	1.0	1.1	ma.
Plate Res.	0.3	0.3	approx. ohms
Transcond.	800	850	μmhos
Load Res.	25000	25000	ohms
Total Harmonic Dist.	10	7	%
Max.-Sig. Power Output	100	115	mw

* Self-bias is recommended so that grid bias will be proportionately less as the B-supply voltage falls off during battery life.

May 1, 1941

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

TENTATIVE DATA





1A5-GT

AVERAGE PLATE CHARACTERISTICS

E_f = 1.4 VOLTS D.C.   SCREEN VOLTS = 90

CONTROL - GRID VOLTS E_{c1} = 0

−1.5

−3.0

−4.5

−6.0

E_{c1} = −7.5

−9.0

−10.5

PLATE VOLTS

0 25 50 75 100 125 150 175

PLATE MILLIAMPERES

10 8 6 4 2 0

NOV. 10, 1938

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

92C−4998